Release notes for ENDF/B Development n-056_Ba_137 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section $MAT=5646,\ MF=1,\ MT=451\ (1)$: Parsing stopped

ERROR(S) FOUND IN MAT=5646, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 256 TO 301

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=5646, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=5646, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 256

2. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=5646,\ MF=2,\ MT=151\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=1 (0): Directory (b)

303

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 515

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 542

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 569

6. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 584

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 596

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 602

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 616

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 32 SECTION 3/ 32 NOT IN DIRECTORY

RECORD NUMBER 626

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 634

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 649

13. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 53

SECTION 3/53 NOT IN DIRECTORY

RECORD NUMBER

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 675

663

15. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=3, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 55 SECTION 3/55 NOT IN DIRECTORY

RECORD NUMBER 687

16. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 56 SECTION 3/56 NOT IN DIRECTORY

RECORD NUMBER 698

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 57 SECTION 3/57 NOT IN DIRECTORY

RECORD NUMBER 709

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 719

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 729

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5646, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER

738

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 760

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5646, MF = 3, MT = 104 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 775

23. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 105 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 78

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 3, MT = 107 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 799

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 2 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 816

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 987

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 17(0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 17 SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 998

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=4, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 1009

29. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 1020

30. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 32 SECTION 4/ 32 NOT IN DIRECTORY

RECORD NUMBER 1031

31. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 51 SECTION 4/51 NOT IN DIRECTORY

RECORD NUMBER 1042

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1070

33. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 53 SECTION 4/53 NOT IN DIRECTORY

RECORD NUMBER 1096

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 54 SECTION 4/54 NOT IN DIRECTORY

RECORD NUMBER 1121

35. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 55 SECTION 4/55 NOT IN DIRECTORY

RECORD NUMBER 1146

36. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5646, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 56 SECTION 4/56 NOT IN DIRECTORY

RECORD NUMBER 1170

37. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 1195

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5646, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 58 SECTION 4/58 NOT IN DIRECTORY

RECORD NUMBER 1220

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 5646, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 1244

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 5, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 1269

41. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=5, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 1340

42. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=5, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 22

SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 1366

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 5646, MF = 5, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 1554

44. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=5, MT=32 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 32 SECTION 5/ 32 NOT IN DIRECTORY

RECORD NUMBER 1657

45. Missing a section in directory so your directory is messed up. This error will break everything else MAT=5646, MF=5, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5646, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 1705

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ISOTOPE MASS = 137. L=1 / STRENGTH FUNCTION IS 1.27689E-04 / AVERAGE GAMMA WIDTH 3.90000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 137. L = 1

STRENGTH FUNCTION IS 1.27689E-04

AVERAGE GAMMA WIDTH 3.90000E-02

... [1 more lines]

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 2.11829E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 2.11829E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 1.88556E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 1.88556E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

4. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 2.27805E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 2.27805E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

5. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.05942E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.05942E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

6. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.79420E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

STRENGTH FUNCTION 3.79420E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

7. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 5.90198E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 5.90198E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

... [1 more lines]

8. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 5.25502E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 5.25502E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

9. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.18278E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.18278E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

10. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.09997E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.09997E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

11. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 2.11824E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 2.11824E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

12. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 1.88557E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 1.88557E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

13. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 2.27800E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 2.27800E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

14. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 3.05938E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 3.05938E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

15. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 3.79422E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 3.79422E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

16. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 5.90202E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 5.90202E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

17. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 5.25512E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 5.25512E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

18. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 3.18286E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 3.18286E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

19. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 / STRENGTH FUNCTION 3.10005E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11824E-05 STRENGTH FUNCTION 3.10005E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

20. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.05954E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.05954E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

21. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 5.25496E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 5.25496E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

22. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.18290E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.18290E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

23. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 / STRENGTH FUNCTION 3.09985E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11829E-05 STRENGTH FUNCTION 3.09985E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

24. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 2.11828E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 2.11828E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

25. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 1.88556E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 1.88556E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

26. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 2.27803E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 2.27803E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

27. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 3.05942E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 3.05942E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

28. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 3.79421E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 3.79421E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

29. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 5.90177E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 5.90177E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

30. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 5.25499E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 STRENGTH FUNCTION 5.25499E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

31. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 3.18275E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2
 SECTION 151
 ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05
 STRENGTH FUNCTION 3.18275E-05
 LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

32. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05 / STRENGTH FUNCTION 3.09999E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04 (0): URR str. ftn.

FILE 2
 SECTION 151
 ENERGY = 1.25000E+04. STRENGTH FUNCTION IS 2.11828E-05
 STRENGTH FUNCTION 3.09999E-05
 LIES OUTSIDE LIMITS 1.00000E-04 TO 8.00000E-04

- recent Warnings:
 - 1. Statistical weight of certain L values were incorrect 0: RRR goof (a)

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved (Error # 1): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L=0, J=0.0 and S=0.0 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.0 and S=0.0 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.0 and S=1.0 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=2.0 and S=1.0 for "capture"

2. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ \theta\colon\ total\ (Error\ \#\ \theta)\colon\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.65%

- fudge-4.0 Errors:
 - 1. The spin statistical weights are off, indicating missing channels resonances / resolved / MultiLevel_BreitWigner (Error # 0): badSpinStatisticalWeights

WARNING: The spin statical weights for L=1 sums to 2.0, but should sum to 3.0. You have too few channels for re

2. Calculated and tabulated Q values disagree. reaction label 10: n[multiplicity:'2'] + Ba136 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6661903.231338501 eV vs -6903090. eV!

3. Calculated and tabulated Q values disagree. reaction label 11: n[multiplicity:'3'] + Ba135 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15769643.78619385 eV vs -1.60152e7 eV!

4. Calculated and tabulated Q values disagree. reaction label 12: n + H1 + Cs136 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8427780.583816528 eV vs -8668630. eV!

5. Calculated and tabulated Q values disagree. reaction label 13: n + H2 + Cs135 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -13031389.76504517 eV vs -1.31276e7 eV!

6. Calculated and tabulated Q values disagree. reaction label 14: Ba138 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 8855427.125808716 eV vs 8611390. eV!

7. Calculated and tabulated Q values disagree. reaction label 15: n + He4 + Xe133 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2258838.374938965 eV vs -2.4929e6 eV!

8. Calculated and tabulated Q values disagree. reaction label 16: H1 + Cs137-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -149575.532043457 eV vs -390530. eV!

9. Calculated and tabulated Q values disagree. reaction label 17: $H2 + Cs136_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6203214.482879639 eV vs -6358510. eV!

10. Calculated and tabulated Q values disagree. reaction label 18: $H3 + Cs135_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6774156.824432373 eV vs -6942460. eV!

11. Calculated and tabulated Q values disagree. reaction label 19: He4 + Xe134-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6293370.30821228 eV vs 6.0462e6 eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

- 2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided
- 3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
 - groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided
- 4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided
- 5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 32 only mf4/mf5 provided
- 6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

 groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
 - ---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided